

## A B S T R A C T

A SHIP'S STEERING UNIT WHOSE ANGULAR POSITION IS SERVO-  
CONTROLLED BY AN ELECTRIC MOTOR

The ship's steering unit comprises a mounting which  
5 is part of the structure of the ship, and in which a  
rudder is pivotally mounted, the angular positioning of  
said rudder being servo-controlled by a motor. The motor  
is an electric motor comprising a stator rigidly fixed to  
said mounting, and a rotor rigidly fixed to said rudder.  
10 The steering motor is powered at variable frequency and  
at variable voltage, and it transmits the torque  
necessary for servo-controlling the rudder  
electromagnetically, i.e. without physical contact,  
thereby eliminating problems of wear. In addition, the  
15 steering unit is simplified by reducing the number of  
items of equipment making up said unit, thereby making it  
easier to install on board and contributing to making it  
more reliable.